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We have a fully packed October ahead and I hope you are excited about the upcoming events! Our [General Meeting](#) speaker this month is Dr. Jennifer L. Miskimins, with Barree & Associates, who will be discussing horizontal well completion considerations. Don't forget to register by noon on October 19th to avoid walk-in prices!

Our first [Evening Event](#) is on Wednesday, October 7th, at Wynkoop Brewing Company. David Pursell of Tudor, Pickering, and Holt Energy Advisors will talk about riding out the low oil prices. SPE members can bring a guest at member prices!

[Completions and Production](#), and [Reservoir Engineering](#) study groups kick-off this month. See below for details on topics and registration. Additionally, the first [Continuing Education](#) course of the 2015-2016 season will take place October 27-28.

The CSM SPE student chapter would like to extend their thanks to those who volunteered for mock interviews with CSM students. The interviews took place at Halliburton's offices last month, with 9 volunteer interviewers and 19 students!

Lastly, congratulations to the [SPE Rocky Mountain Regional Award Winners](#) - thank you for your excellent work and your membership in the SPE! If you would like to nominate a colleague to be recognized for their work and service, you are encouraged to do so [here](#)!

Cheers,

Marija Mircevska


Newsletter Editor

**October 1, 2015**

## GENERAL MEETING

### Horizontal Well Completion Considerations - Near Wellbore Complexity and Other Thoughts

*Dr. Jennifer L. Miskimins, Barree & Associates*

 October 21, 2015, 11:30 AM - 1:30 PM

 Denver Athletic Club

#### Tickets:

Members	\$25
Non-Members	\$35
Walk-Ins	\$40

**Abstract:** Horizontal well completions bring many challenges to the oil and gas industry. Lateral wellbores are much more than just vertical wells "turned on their sides". Multiple behaviors need to be considered during the completion and stimulation of horizontal

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wells that are beyond those in vertical wells, where perhaps nature was more forgiving of missteps. One such area is that of severe near wellbore complexity, which can be generated within a few feet of the well. This near-wellbore complexity is a function of longitudinal growth components along the wellbore which can be significant, even in a well that is drilled perpendicular to maximum horizontal stress. With the creation of both longitudinal and transverse fracture components, important treatment outcomes such as near-wellbore conductivity and fracture clean-up can be significantly impacted. Another area of varying behavior is in DFIT pumping and analysis, where toe stage treatments can exhibit significant tortuosity. If not accounted for in the analysis, this tortuosity can have substantial impacts on the DFIT analysis. This presentation reviews these changing perspectives and design considerations, as well as some other related behaviors. Final “answers” won’t necessarily be provided, as many of these behaviors exist on a well-to-well or reservoir-to-reservoir basis, but how to evaluate for them and bring them into overall treatment evaluation will be discussed.

**Biography:** Jennifer L. Miskimins is a Senior Consulting Engineer with Barree & Associates in Lakewood, Colorado, where she specializes in stimulation treatment design and analysis, as well as teaches a variety of short courses. Prior to joining Barree & Associates, she was an Associate Professor in the Petroleum Engineering Department at the Colorado School of Mines. Dr. Miskimins holds B.S., M.S., and Ph.D. degrees in petroleum engineering. She is a member of SPE, AAPG and RMAG, and currently serves as the Production & Operations Technical Advisor on the SPE International Board of Directors.

[Register Now](#)

## SPE EVENING EVENT

### When Will Oil Prices Go Back Up and What the Best Companies Are Doing until Then

*David Pursell, Managing Director, Tudor, Pickering, and Holt Energy Advisors*

October 7, 2015, 5:00–7:30 PM

Wynkoop Brewing Company

#### TICKETS

SPE Members and up to 1 Guest	\$35/person
Non-Members	\$45

#### SCHEDULE

5:00–6:00 p.m.	Networking and Refreshments
6:00–7:30 p.m.	Dinner and Speaker

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- Symposia

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2014 Luncheon Talk of the Year  
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a retrospective of extremely hot early fracture weather?  
By Peter Henning

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The Granitic-Granitoid Petroleum System:  
Greater Wamsberg Area, Denver Basin,  
Colorado. By Craig A. Kaiser and Stephan A.  
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**The Outcrop**

Monthly newsletter

**Symposia**

Fall Symposium: Hot Plays  
of the Rocky Mountain Region

Become a Member Today! Visit [www.rmag.org](http://www.rmag.org) to join.

### SPE ROCKY MOUNTAIN REGIONAL AWARD WINNERS

**Regional Completions Optimization and Technology Award**  
Paul Huckabee, Shell Exploration & Production Co

**Regional Distinguished Achievement Award for Petroleum Engineering Faculty**  
Linda Battalora, Colorado School of Mines

**Regional Drilling Engineering Award**  
Thomas Thompson, Anadarko Petroleum Corp

**Regional Formation Evaluation Award**  
Michael Holmes, Digital Formation, Inc.

**Regional Health, Safety, Security, Environment, and Social Responsibility Award**  
William Hohmann, Anadarko Petroleum Corp


[Register Now](#)

## COMPLETIONS AND PRODUCTION STUDY GROUP

### Cement Testing: Are We Looking at the Right Things the Wrong Way?

*Donald Purvis, Independent Consultant*

*SPE Distinguished Lecturer 2015-2016 Lecture Season*

 October 15, 2015, 11:30 AM - 1:00 PM

 Halliburton, 1125 17th Street, 19th Floor Training Room

RSVP: [Wendell Salas](#)

**Abstract:** The most important aspect in wellbore construction is creating and maintaining wellbore integrity and zonal isolation. The potential of fresh water contamination has captured the attention of the public and media. Cross flow between productive intervals or salt water zones can result in environmental and legal challenges as well as lost production. The number of wells developing annular pressure over time has become a concern and expense for operators. The design and placement of a competent cement seal in the annulus is critical when addressing these issues.

Laboratory testing of cement for use as a physical barrier in wellbore construction has been performed by our industry since the early 1900's. This Presentation describes how the testing has progressed from Code 32, the first API code, to the present day ISO and API guidelines. The current testing methodology detailed in these guidelines is examined and compared to the actual forces cement is exposed to in the wellbore. Four tests are examined in detail; Thickening Time, Fluid Loss, Compressive Strength and Tensile Strength. The significance of tensile strength is presented.

Some of the traps that can be made by relying on standardized testing are exposed. New developments in cement testing to overcome these issues are presented. Recommendations are then made for testing beyond the standard ISO tests.

The audience should gain a better understanding of what they need cement to do and the laboratory tests required to make sure it does. It is well known that EUR's associated with resource plays appear to be log-normally distributed. This has some interesting consequences for those responsible for developing or evaluating resources plays. The talk discusses some of those consequences with particular emphasis into the use of "type curves" as a means of projecting economic value.

**Biography:** Don Purvis is an independent technical consultant. Mr. Purvis has done extensive research on cement flow dynamics and testing methodology. He has held research, engineering, and management positions with major service companies and operators. He holds two process patents and has authored multiple technical papers and journal articles. He has given technical presentations on good cementing practices both in and outside of the oilfield community. Mr. Purvis holds an engineering degree from Oklahoma State University.

#### Regional Management and Information Award

[Matthew Halker, Halker Consulting LLC](#)

#### Regional Production and Operations Award

[Charles Dein, Anadarko Petroleum Corp](#)

#### Regional Projects, Facilities and Construction Award

[William Kent, Source Energy Partners LP](#)

#### Regional Reservoir Description and Dynamics Award

[Stanley Kleinstieber, MHA Petroleum Consultants Inc](#)

#### Regional Service Award

[Aris Judzis, Energy & Geoscience Institute, University of Utah](#)  
[Erin McEvers, Clearbrook Consulting](#)  
[Megan Starr, Anadarko Petroleum Corp](#)

#### Regional Young Member Outstanding Service Award

[Anne Becker, Petroleum Field Services, LLC.](#)  
[Kelly Wilson, MHA Petroleum Consultants Inc](#)

#### Regional Distinguished Corporate Service Award

[WPX Energy United States](#)

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## RESERVOIR ENGINEERING STUDY GROUP


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### The Tyranny of the Log-Normal

*John Wright, PhD, P.E.*

*Chief Engineer, Wright Consulting Company*

 October 22, 2015, 11:30 AM - 1:00 PM

 Liberty Oilfield Services, 950 17th Street, Suite 2000

RSVP: [Deb Ryan](#)

**Abstract:** It is well known that EUR's associated with resource plays appear to be log-normally distributed. This has some interesting consequences for those responsible for developing or evaluating resources plays. The talk discusses some of those consequences with particular emphasis into the use of "type curves" as a means of projecting economic value.

**Biography:** John D. Wright, PhD, P.E., is Chief Engineer of Wright Consulting Company in Golden, Colorado. He has more than 45 years of domestic and international oil and gas experience in property evaluation, production engineering, reservoir engineering, and coalbed natural gas development, and has been an expert witness in more than 40 oil and gas industry cases.

Dr. Wright has been a principal in three petroleum engineering consulting firms over a 30 year span and taught Petroleum Engineering at the Colorado School of Mines for eight years. He has worked as a pumper and a petroleum engineer, is working interest owner and lessee as well as a mineral interest owner and lessor. He has worked on 6 continents and taught numerous short courses on oil property evaluation and other subjects throughout the world. He has been heavily involved in the Society of Petroleum Evaluation Engineers for many years including being the chief technical contact and presenter at three economic software symposia.


His latest publication is "Oil and Gas Property Evaluation" which came off the presses in August of this year and is currently being used at CSM, Texas Tech, and Texas A&M.

## CONTINUING EDUCATION

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### Improve Your Technical Writing: Tools, Techniques, Strategies, and More

*Kenneth D. Mahrer, Ph.D., SIGMA3 Integrated Reservoir Solutions, Inc.*

 October 27-28, 2015, 8:00 AM to 5:00 PM

 Brown Palace Hotel, 321 17th Street

**Remember to [register](#) by October 9, 2015**

## COMMUNITY OUTREACH

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SPE Denver Section needs volunteers for Denver Public Schools Science Fair judges. Please kindly contact [Midowa Gbededo](#) with the specific date(s) for which you'd like to volunteer. Thanks for your participation!

Science Fairs scheduled as of today (exact times will be finalized closer to the event)

**November 13, 2015** - Cory Elementary School, 1550 S. Steele St.  
- 8:15 am - Noon

**November 18, 2015** - University Park Elementary School, 2300 S. St. Paul St. - Noon - 3:00 pm

**December 8, 2015** - Skinner Middle School, 3435 W. 40th Avenue, 8:00 am - Noon


**January 15, 2016** - Bryant Webster Dual Language School, 3635 Quival St. - 9:00 am - 11:30 am


**January 30, 2016** - DPS District Science Fair - 8:30 am - Noon

## YOUNG PROFESSIONALS

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### Colorado Avalanche vs. Minnesota Wild

 October 8, 2015, 7:00 PM

 Pepsi Center

Fall is here and the Young Professionals are celebrating by watching some hockey! We will have 15 tickets available when the Colorado Avalanche take on the Minnesota Wild on 10/8 @ 7:00 PM. Thanks to RockPile Energy for the generous support in hosting this great event. Please watch for a specific registration email in the coming days for the event.

### Society of Petroleum Engineers - Denver Section

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